

EL DISPLAY DEVICE AND ITS MANUFACTURING METHOD**Publication number:** JP2001217072**Publication date:** 2001-08-10**Inventor:** YAMAZAKI SHUNPEI; MIZUKAMI MAYUMI; KONUMA TOSHIMITSU**Applicant:** SEMICONDUCTOR ENERGY LAB**Classification:**

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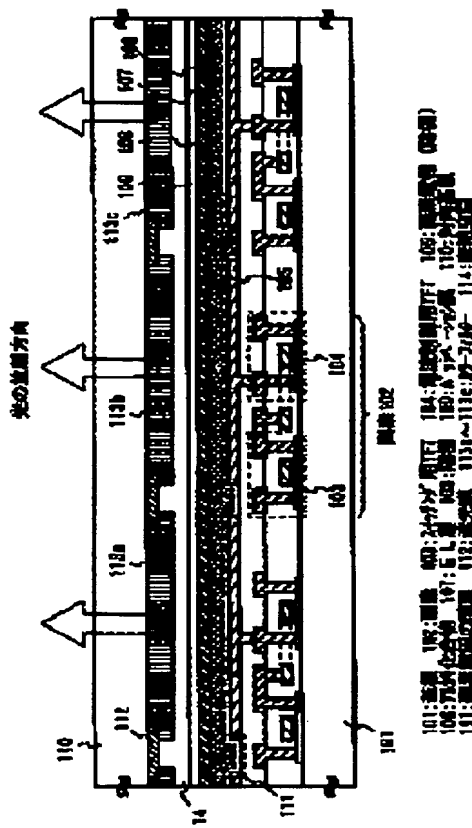
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Abstract of JP2001217072

PROBLEM TO BE SOLVED: To provide a low-cost and high-resolution EL display device.

SOLUTION: Pixels 102 containing an EL element with a pixel electrode 105 connected to a TFT for current control 104 are set in array on a substrate, and on a counter substrate 110, a light-shield film is formed at a place corresponding to the edge of the pixels 102, and a color filter 113 at a place corresponding to the pixels 102. This light-shield film 112 makes the contour of the pixels clear, enabling a high-resolution image display. Further, since almost a whole production line for the liquid crystal display device can be diverted for the production of the EL display device of the present invention, the capital investment is small reducing the total production cost.



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